COMMODORE SERIOUS USERS ES GUIDE



COLLECTION FOR C64 AND C128 OWNERS



INCLUDING:

128 FONT EDITOR



DISK CATALOGUE



SO WEM * SYS 708 I- DEPAULT TO 60 REM * STS 720 :- RESET TO SHORMAL . TO REMISSIONAL 10 C+01REM LIST STOP BY STEPHEN

COMMODORE **SERIOUS**



LL/this these pages you will fine

Contents

Whin your NEDS morne late 128 Font Editor

Listings

House the CTRL key as you prove N

Mnemonic Symbol	Keypress	Mnemonic Symbol	Keypress
[RIGHT]	CRSR left/right	(BLACK)	CTRL & I
(LEFT)	SHIFT & CRSR Infright	[WHITE]	CTRU & 2
[DOWN]	CRSR up/down	(RED)	CTRL & 3
(09)	SHIFT & CRSR up/down	(CYAN)	CTRL & 4
(71)	fl key	(PURPLE)	CTEL & 5
[12]	SHIFT & FL key	[GREEN]	CTRL & 6
[1/3]	D key	[BLUE]	CTEL & 7
[74]	SHIFT & (7 ke)	[Antrow]	CTRL & S
[FS]	(5 key	[POUND]	
(1'6)	SHIFT & IS key	[LARBOYN]	+
(F7)	17 key	[UPARROW]	1
[88]	SHIFT & C' key	[PI]	SHIFT A T
(HOME)	CLR/HOME	[INST]	SHIFT & INST/DEL
(CLE)	SHIFT & CLR/HOME	[REV T]	see lest
(RVSON)	CTRL & 9	[Claser]	CBM + legge
[EVSOFF]	CTRL & 0	[Sinzer]	SHIFT + latter

Checksum Progra

The hexaderimal numbers appearing in a column to the left of the large should not be toped in with the program. The are sent recovery values and nor there to help you got the left her right. Don't monty of you don't understand the hexaderimal typicim, in long as you can compare you character on the senten with the corresponding tour characters when the magnine you can use our like chadding programs.

with most of the present and for linkings appearing in 'N Commodern. At the tasts of each programs senior, load Checksins and rus The sames will here hooses with yel characters and each timely on type line, and press the BETUEN is nombre. Will appear me the some

characters and each store year type in a line and perio the BETUEN key a number will appear on the soreer in white. This should be the soreer in white. This should be the surgestion. If the two values don't elease as one number, year have one copied the line castily as prisingle of one back and check each character carrially. When you find the error wineply correct it and

pros RETURN again.

If you want to turn off the ched analyty type SYSP(S) and the seriously type SYSP(S) and the seriously occurs to the character of a way awand to do and if the done it took area where Checkman lies you can hank to it with the same S command.

No resters in Societoto but it.

chances of two errors conselling another out are so remote tha believe our listings are more rel than any other magazine in the w So get typing!



Mouse



			LINEN LOC. DESIGN LANGE	LIME
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V-A 9966				
100 0000				
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				Sto WAY
200				
	100		20,700	



| The content of the

Sticky (Cursors

cursor keys. The program is inter

PROGRAMMIN

64 Tips for the 64

estions to improve yo

The Committee of histories many secretified product in memory hands. Here are 64 of the best bid date arrented and you many find makes move. All the brain were re-warmed and you many find makes move all the brain were reduced by the restriction of the brain warmed by entering the second of the second product of the second produc

I High and lon types in decimal The low byte in derived from high byte calculation: HIBOTE - INTROcation/256 LOBYTE - location - (HIBO * 256) SCHOOL F F-SCHEFF CEC-CH E ST-CEC-F SEC-CH CON-CH-CH STOAM S KOS-KOS-CHCCC

STATE OF PRINCIPAL CONTROL CONTROL OF PRINCIPAL CONTROL OF PRINCIPAL CONTROL CON

on he so notice KUSI routine railed.

S Double byte HEX to DEC to notice the syst Location

Substitution SYTE LOCATION IN DOCUMENT LOCATION IN LO E SPECIAL SECURITY SPECIAL SECURITY SPECIAL SECURITY SPECIAL SECURITY SECURITY IN SOCIETY Substitution IN SECURITY Substitution IN SECURIT

is where the LIST routine go arrect line numbers to decime on prints the value to the scree it for datamaker programs any sputine where a decime ther has so be printed in ASI, macers. The A-register carrilight have value and the

a ineutropes in second-job. A. A. T and state rep

THE PROPERTY AND PARTY OF THE P





24 Display controls in PRINT

42 WAIT problems

47 Screen shake

55 String grabbing

This stillty will dump the current text screen from inside a Basic program. It reeds the location where the screen is	10 REM TEXT SCHEEN DUMP 20 REM BY ANDREW GOTHIE 30 PAST: P\$=CHR\$(16): A\$="" : OPEN4,4,7
stored and translates them into ASCII code values ready for printing.	40 AA=1024:FOR P=0 TO 24 50 FOR N=AA TO AA+39 : GOSTG 60 : SEXT : AA=AA+40 : PRINT94.PS "15" AS: NEXT P :SLOW : END
Place the program inside a liming and the command 0070 10 will set the process in motion.	60 IF PREK(N)>63 AND PREK(N)<91 THEN Q=32 T0 IF PREK(N)>120 THEN Q=-128 80 IF PREK(N)<26 THEN Q=64 90 A5-A5-CHRS(PREK(N)+Q): Q=0: RETURN

LIFEGAVERS 4 C64 RECTORE BORDER CHANGE
Numning this program means that
the border can be changed by
the border can be changed by
the border can be changed by

The program works by resetting the STOP routine vector at 808-9. By altering these you can point the restore key to any routine you like. The border change routine has freet of this method, where a program is loaded or served, the border changes as the ROW routines call on the ST routine while performing their routine will perform the program is provided by the state of the ROW routines call on the ST routine while performing their

10 JEN RESTORE KET BORDER CHANCE 20 C-0:POR 1-0 TO 5: READ A:PORE 49:5247_A:C-C-4:NETS 30 IP C<-1037 THEN PRINT TERROR IL LIME 40:18ND 40 DATA 239,32,208,76,237,246 50 PORE 868,0:PORE 805,122

A Bit More

16 sprites, a redefinable character set, 8K of store plus 21 commands – but retaining 36K for Basi

The walky consistent two ideas in the one program. Firstly, the area program. Firstly, the area of the program is not a second of the program of the program

bytes free.

The propries is in two parts. The first, called MCLOAD, is stored from, called MCLOAD, is stored from 680 to 702 and farrs a machine-code isoder which see the set that of Basic memory to 31% and the loads in the main program, called MCFBL, and calls the program, called MCFBL, and calls the produce command (SYSDAD), finally ocaling with NEW to set the Basic pointers correctly.

MCFBL in the programs considerated the programs of the program of the program

ing the machine-code commaning consists of a jump table (fro 1020 to 1083) for the comman routino, followed by the routin themselves between 1016 and 379. The following is a detailed listill the new commands available. be used at any time. The signal politicity, sprice and be used at any time. The signal politicity, sprice and be maintain their culture politicity of the signal politicity and the signal politicity, the first a politicity appears in at 2000-00122-01 appears 0-15 any at 0.964-05 upon 0.954-05 upo

spotter 0-15 aw at 0%64-69152 to 15%64-6952-501 the bissay is at 8192-57344. The character set is now in F 51200 to 53048 and consists from 256 characters of the nor but it can be referred at any RASTER ON -\$Y\$9825

STORMAN
THE STAND STANDARD FRANCE
THE STANDARD STANDARD STANDARD
THE STANDARD STANDA

off the interrupt routine.

SPLIT-SCREEN
SYS1029.

-0 or 1-200:

This command is used in conjution with the RASTER ON or

the top part in beimapped while ap cost is the sternal screen daptay at requires one parameter which the spit to a screen has between at and 200. A value of core turns is spit-screen off. G. BITMAP ON -

S STS-B22

This turns on the full screen below

If a full belong and an interrupe,
regard of the steen terming

resting the sound routine, if
the SPLIT-SCREEN comma

SYSIOD 2000 should be used and
the steen full and any raise of
command does not appear to
working, check that he size is
see his been swinched off furt

s. SYSIO35
Turns off the bitmup. The use rules apply to these interrupts of these detailed in the BITMAP (
d command.
CLEAR BITMAP—
SYSIO38

This command clears the opengies binsap. If you want to clear only care of a binsap see the MEMOR TLL command and Example) in the DEMO program. OCOUR BITMAP -OCOUR

RECONSPORTER.

But and account of the security of the security

THE REPORT SERVICES CARRIED CO.

SYSTEM2 - 01-3192- - 01-1992-

<0-199>,<0-1>

<0-3(9>,<0-199>,<0-129>

<0.119 x = 0.199 x = 0.120

FR.15% - - 0.155> - - 0-155>

block of moreony to any address at

<0-65535>-<0-32567>-

SAVE MEMORY -

<file name>,<01 or 05-11>, <000 < 0.65516 >-

SET CURSOR POSITION -

If for any reason you prove the

Split lovalties

LIST

for the raster to some a complecreese, the outer interrupt will hald up. When the MEMOS MOVE command in finished in interrupt flag in deared and it interrupt on town over. It, fortunately, the raster display will force and during the MEMOS MOVE interrupt giving a full in MOVE interrupt giving a full in

acrees. Either way the result is a nessel.

The only way round this problem is to avoid using the two commands together or simply writes the mote off before using the MEMORY. MOVE command and south it back to again, afterwarth using the rou-

aums of the subrestines of the MEMORY MOVE consumed.
Finally, if you want to load the programs without the near system tipe. LOAD*MCLOAD*Al and then \$75'80R. To get the demo prignant type. LOAD*DEMO*3 the RUN.



B ACTOMOTENTLY 6 60 : 70 : TO : 5 00 : EL-41, D4-80, 394-880 : 9 00 : Figs (1-6 73 EL-CH-0. F 2 : TO : S 2 : TO : S - 120 : EMPS A : CO-COVA PEKE - 126 : Figs 8 : IF A : CO : TOE 128 : Figs 8 : IF A : CO : TOE

MED LOST STREET TO THE INTHE REAL TO THE INTHE REAL TO THE INTHE REAL TO THE INTHE IN THE IN-

medic dreft (28, 80, 741, 112 v, y 200, 741, 112 v,

15 GO SEP SEE PRILL CHARLE COM
50 SEP SEE PRILL CHARLE CHARLE
51 GO SEP SEE CONTINUES
60 SE

23, 388, (6.18, 6.172, 385, 196, 196)

130, (25), (35), (35), (16), (35), (16), (35), (16), (35), (37), (16), (37)

7. 1802 7. 130 0804 7, 76, 111, 6, 76, 124, 1 0, 76, 112, 10, 76, 180, 3, 76, 882, 1 18, 282 6 193 0806 79, 89, 26, 79, 186, 12. 21 250 0806 81, 6, 180 94 181,8,808,208,4,171 840,18,173,188,4,808 1708 200, 7948 700 0438 153, 127, 188, 194, 8, 88,100, 128, 77, 128, 78, 78, 161 8, 100, 0, 1770















WEND PRINTED, THANK PETORY.

WIND PRINTED, "CETIO, SPEIGOIS PRITE MOICOPPARHOISPRITE PO MOTERACOCCUMENT:

DiskOS *

RENAME will change a file

Menu 3 - Misc

VAL is the validate command

LISTE

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C.30,171,1816 1840 OWTA 188,18,180,800,30 30,771,38,39,100,38,43,100, 73,69,3,7341





Please order me a copy of YOUR.

Mailing List 128

Value List 128 uses the 40



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NAME OCCUPANT STATE O

2900 DETCENCE 2900 DECS-12-THENDAL 2900 DECCESSO 2900 DECCESSO

NECO CETATATA







Message Construction Kit

Although the messages are re

speards and a message can be

Text Editor (T

of 2048 to \$191. Entering text is

can then be added to the start

with rubbish. This also means that

CLEAR CHARACTER - When

REVERSE CHARACTER - AL

GET CHARACTER - After se-PRINT CHARACTER - A con

Five mode - The highlighted pixel is record on by previous the fire harmon when this value is J. The five harmon sames the pixel off when the value is it.

Storage (S) MIRROR Y - This is the same as

SAVE CHARACTERS - The

SAVE TEXT - This saves the

tive characters can be designed



38 FORE-EDGE, PORTEGNEY 8 AM TH -POGESSE, 493 - FEBROACHO AND 494 FORESSE, 203 - FEBROACHO AND 494 FORESSE, 203 - FEBROACHO AND EDGESSE JUST - FORESSE AND 194 FORESSE JUST - FORESSE AND 194 FORESSE JUST - FORESSE AND 194 FORESSE AND 194

TOTAL TOTAL

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Disk Cat

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and replace it with a Editor has on-series and you should finsliew.

SISK CAT DOESNS, D SINE*(CLR)*, POKESS

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Program Compactor

Reduce long files and link up your programs to saw

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ignate the Tol Spots following the injury value. This is useful it is skirring around serrer areas. For example, it code sures as \$9000 and another piece of code stars at \$3000, the Spots areas are as \$3000 and the The next job is to load the first File into the compane. At the HLE-NAME pressur, ensering 2" will happing the first diseases, When the program name is known, it can then be entated (verboot quelon) at the

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Technical Information

All you ever wanted to know about your Commodore by

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Advanced programmers will find the memory mi

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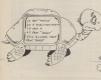
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